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PATENT

1637
DFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Mitchell *et al.*
Serial No.: 10/076,248 Examiner: Wilder, Cynthia
Filed: February 12, 2002 Group Art Unit: 1637
For: METHODS AND COMPOSITIONS FOR USE IN SPLICEOSOME
MEDIATED RNA *TRANS*-SPLICING

INFORMATION DISCLOSURE STATEMENT

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450.

January 13, 2005

Rochelle K. Seide
Attorney Name

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Signature

32,300
PTO Registration No

January 13, 2005

Date of Signature

Commissioner for Patents
Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§1.97 and 1.98, applicants respectfully request that the documents listed below and on the accompanying PTO 1449 be considered by the Examiner and made of record in the above-referenced application. Copies of the documents listed are enclosed.

1. United States Patent Application Serial No. 10/693,192, filed October 23, 2003, "Screening method for identification of efficient pre-trans-splicing molecules," Mitchell *et al.*

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2. United States Patent Application Serial No. 10/434,727, filed May 8, 2003, "Use of Spliceosome Mediated RNA Trans-Splicing To Confer Cell Selective Replication to Adenoviruses," Otto *et al.*
3. United States Patent Application Serial No. 10/374,784, filed February 25, 2003, "Trans-splicing mediated imaging of gene expression," Mitchell *et al.*
4. United States Patent Application Serial No. 10/360,787, filed June 5, 2002, "Spliceosome mediated RNA trans-splicing for correction of factor VIII genetic defects," Mitchell *et al.*
5. United States Patent Application Serial No. 10/198,447, filed July 17, 2002, "Spliceosome mediated RNA trans-splicing for correction of skin disorders," Mitchell *et al.*
6. United States Patent Application Serial No. 10/136,723, filed April 30, 2002, "Transgenic animal model for spliceosome-mediated RNA trans-splicing," Puttaraju *et al.*
7. United States Patent Application Serial No. 10/103,294, filed March 30, 2002, "Spliceosome mediated RNA trans-splicing," Mitchell *et al.*
8. United States Patent Application Serial No. 10/075,028, filed Feb. 12, 2002, "Method and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell *et al.*
9. United States Patent Application Serial No. 09/941,492, filed January 8, 2001, "Method and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell *et al.*
10. United States Patent Application Serial No. 09/838,858, filed April 20, 2001, "Method and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell *et al.*
11. United States Patent Application Serial No. 09/756,097, filed Jan. 8, 2001, "Method and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell *et al.*

12. United States Patent Application Serial No. 09/756,095, filed Jan. 8, 2001, published August 22, 2002, as U.S. Patent Publication No. US20020115207, "Method and compositions for use on spliceosome mediated RNA trans-splicing," Mitchell *et al.*
13. United States Patent Application Serial No. 09/756,096, filed Jan. 8, 2001, "Methods and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell *et al.*
14. United States Patent No. 6,280,978, filed Sept. 23, 1998, issued August 28, 2001, "Method and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell *et al.*
15. United States Patent No. 6,268,516, filed March 30, 1999, issued July 31, 2001, "Cationic amphiphilic lipids for liposomal gene transfer," Schneider *et al.*
16. United States Patent No. 6,083,702, filed Aug. 13, 1998, issued July 4, 2000, "Method and compositions for use in spliceosome mediated RNA trans-splicing," Mitchell *et al.*
17. United States Patent No. 6,013,487, filed Dec. 13, 1996, issued January 11, 2000, "Chimeric RNA molecules generated by trans-splicing," Mitchell *et al.*
18. United States Patent No. 5,998,205, filed August 1, 1997, issued December 7, 1999, "Vectors for tissue-specific replication," Hallenbeck *et al.*
19. United States Patent 5,962,313, filed January 16, 1997, issued October 5, 1999, "Adeno-associated virus vectors comprising a gene encoding a lysosomal enzyme," Podsakoff, *et al.*
20. United States Patent 5,962,311, filed August 21, 1996, issued October 5, 1999, "Short-shafted adenoviral fiber and its use," Wickham *et al.*

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21. United States Patent 5,952,221, filed March 5, 1997, issued September 14, 1999, Adeno-associated virus vectors comprising a first and second nucleic acid sequence,” Kurtzman *et al.*
22. United States Patent 5,932,210, filed October 28, 1997, issued August 3, 1999, “Recombinant adenoviral vector and methods of use,” Gregory *et al.*
23. United States Patent 5,928,944, filed February 4, 1994, issued July 27, 1999, “Method of adenoviral-mediated cell transfection,” Seth , *et al.*
24. United States Patent 5,922,576 , filed February 27, 1998, issued July 13, 1999 “Simplified system for generating recombinant adenoviruses,” He *et al.*
25. United States Patent 5,919,676, filed June 7, 1995, issued July 6, 1999 , “Adenoviral vector system comprising Cre-loxP recombination,” Graham , *et al.*
26. United States Patent 5,891,690, filed April 26, 1996, issued April 6, 1999, “Adenovirus E1-complementing cell lines,” Massie.
27. United States Patent 5,885,808, filed July 5, 1995, issued March 23, 1999, “Adenovirus with modified binding moiety specific for the target cells,” Spooner, *et al.*
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30. United States Patent 5,869,037, filed June 26, 1996, issued February 9, 1999, “Adenoviral-mediated gene transfer to adipocytes,” Crystal, *et al.*

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31. United States Patent 5,858,351, filed January 18, 1996, issued January 12, 1999, "Methods for delivering DNA to muscle cells using recombinant adeno-associated virus vectors," Podsakoff *et al.*
32. United States Patent 5,851,806 , filed December 14, 1995, issued December 22, 1998 , "Complementary adenoviral systems and cell lines," Kovesdi, *et al.*
33. United States Patent 5,843,742 , filed September 8, 1995, issued December 1, 1998, "Adeno-associated derived vector systems for gene delivery and integration into target cells," Natsoulis, *et al.*
34. United States Patent 5,837,484 , filed January 9, 1995, issued November 17, 1998, "Stable cell lines capable of expressing the adeno-associated virus replication gene," Trempe, *et al.*
35. United States Patent 5,820,868 , filed December 9, 1993, issued October 13, 1998, "Recombinant protein production in bovine adenovirus expression vector system," Mittal, *et al.*
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38. United States Patent 5,747,072 , filed April 14, 1995, issued May 5, 1998, "Adenoviral-Mediated Gene Transfer to Synovial Cells In Vivo," Davidson *et al.*
39. United States Patent 5,731,172, filed September 8, 1994, issued March 24, 1998, "Recombinant adenovirus and process for producing the same," Saito, *et al.*

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40. United States Patent 5,700,470, filed March 12, 1996, issued December 23, 1997, "Recombinant adenovirus with removed EZA gene and method of preparation," Saito, *et al.*

41. United States Patent 5,670,488, filed October 13, 1993, issued September 23, 1997, "Adenovirus vector for gene therapy," Gregory, *et al.*

42. United States Patent 5,616,326, filed May 23, 1994, issued April 1, 1997, "Recombinant canine adenovirus 2 (CAV-2)," Spibey.

43. United States Patent 5,589,377, filed June 6, 1995, issued December 31, 1996, "Recombinant adeno-associated virus vectors," Lebkowski, *et al.*

44. United States Patent 5,585,362, filed June 7, 1993, issued December 17, 1996, "Adenovirus vectors for gene therapy," Wilson, *et al.*

45. United States Patent 5,354,678, filed December 21, 1992, issued October 11, 1994, "Production of recombinant adeno-associated virus vectors," Lebkowski, *et al.*

46. United States Patent 5,166,320, filed April 2, 1990, issued November 24, 1992, "Carrier system and method for the introduction of genes into mammalian cells," Wu *et al.*

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References #1-13 are related co-pending U.S. patent applications.

Identification of the above-listed documents is not to be construed as an admission of the applicants or attorneys for applicants that such citations are available as "prior art" against the subject application.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that the listed documents are material or constitute "prior art." If the Examiner applies the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of the documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should the documents be applied against the claims of the present application.

PATENT

Pursuant to 37 C.F.R. § 1.97(b)(3), this Information Disclosure Statement is being filed, the applicants believe, before the mailing date of a first Office Action on the merits. Thus, there should be no fee required for this submission. However, if any fee is required, or if any overpayment has been made, the Commissioner is hereby authorized to charge any fees, or credit or any overpayments made, to Deposit Account 02-4377. A duplicate copy of this page is enclosed.

Respectfully submitted,

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Serial No.
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**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

(Use several sheets if necessary)

Applicant
Mitchell *et al.*

Filing Date
February 12, 2002

Group
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Examiner
Wilder, Cynthia



U.S. PATENT DOCUMENTS

*Exam. Initial.	No.	Document No.	Date	Name	Class	Subclass	Filing Date if Approximate.
	14	6,280,978	8/28/ 2001	Mitchell et al.			
	15	6,268,516	07/31/2001	Schneider et al.			
	16	6,083,702	7/4/ 2000	Mitchell et al.			
	17	6,013,487	1/11/ 2000	Mitchell et al.			
	18	5,998,205	12/ 7/1999	Hallenbeck et al.			
	19	5,962,313	10/5/1999	Podsakoff, et al.			
	20	5,962,311	10/ 5/ 1999	Wickham et al.			
	21	5,952,221	9/14/ 1999	Kurtzman et al.			
	22	5,932,210	8/ 3/ 1999	Gregory et al.			
	23	5,928,944	7/27/ 1999	Seth , et al.			
	24	5,922,576	7/ 13/ 1999	He et al.			
	25	5,919,676	7/ 6/ 1999	Graham , et al.			
	26	5,891,690	4/ 6/ 1999	Massie.			
	27	5,885,808	3/ 23/ 1999	Spooner, et al.			

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Examiner

Date Considered

* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce
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**INFORMATION DISCLOSURE STATEMENT
BY APPLICANT**

(Use several sheets if necessary)

Atty. Docket No.
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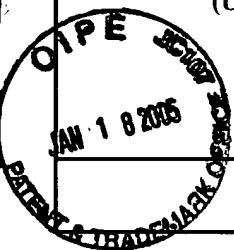
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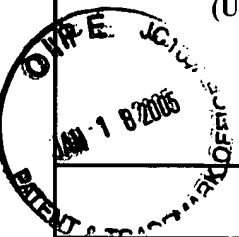
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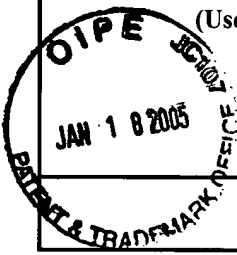
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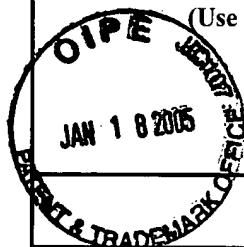
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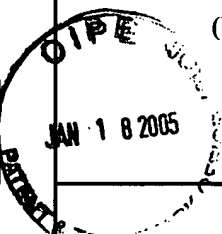
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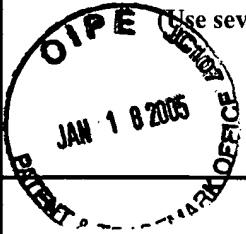
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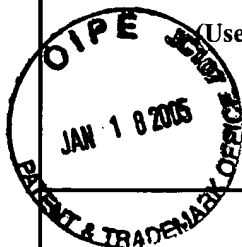
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